



## SEQUENCE LISTING

<110> WEIDANZ, JON A.  
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<120> FUSION PROTEINS COMPRISING BACTERIOPHAGE COAT PROTEIN  
AND A SINGLE-CHAIN T-CELL RECEPTOR

<130> 46745(71758)

<140> 08/813,781

<141> 1997-03-07

<160> 130

<170> PatentIn Ver. 2.1

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<210> 20

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<210> 21

<211> 33

<212> DNA

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<210> 22

<211> 33

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<210> 23

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40

<210> 25

<211> 36

<212> DNA

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<210> 26

<211> 36

<212> DNA

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<400> 26

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<210> 27

<211> 15

<212> DNA

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oligonucleotide

<400> 27

gcccgaggact agtgc 15

<210> 28

<211> 23

<212> DNA

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<223> Description of Artificial Sequence: synthetic  
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<210> 29

<211> 75

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<223> Description of Artificial Sequence: synthetic  
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<210> 30

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 tcggccccag gc 72

<210> 31  
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 oligonucleotide

<400> 31  
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<210> 32  
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 oligonucleotide

<400> 32  
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<210> 33  
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 oligonucleotide

<400> 33  
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<210> 34  
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oligonucleotide

<400> 34

gatcagcccg gggaggctgc agtcacccaa agc

33

<210> 35

<211> 33

<212> DNA

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 35

ctagtcgccg ggacagtctg ctcggcccca ccg

33

<210> 36

<211> 42

<212> DNA

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oligonucleotide

<400> 36

ccggggagga agaagagtac atgccgatgg aaggcgccgc tc

42

<210> 37

<211> 42

<212> DNA

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42

<210> 38

<211> 32

<212> DNA

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cgccgctcac catcaccatc atcactgatg ac

32

<210> 39

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oligonucleotide

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ggcgagtggg agtggtagta gtgactactg ggcc

34

<210> 40

<211> 33

<212> DNA

<213> Artificial Sequence

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gatcagggcg ccgctactgt tgaaagttgt tta

33

<210> 41

<211> 33

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 41

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33

<210> 42

<211> 45

<212> DNA

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45

<210> 43

<211> 42

<212> DNA  
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<400> 43  
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<210> 44

<211> 28

<212> DNA

<213> Artificial Sequence

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<210> 45

<211> 15

<212> DNA

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 gctcgagctt actcc 15

<210> 46

<211> 14

<212> DNA

<213> Artificial Sequence

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<400> 46  
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<210> 47

<211> 15

<212> DNA

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<223> Description of Artificial Sequence: synthetic

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gtgtacttct gtgcc 15

<210> 48  
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oligonucleotide

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<210> 49  
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oligonucleotide

<400> 49  
gcaggttctg ggttc 15

<210> 50  
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oligonucleotide

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<210> 51  
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oligonucleotide

<400> 51  
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<210> 52  
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oligonucleotide

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oligonucleotide

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<210> 54  
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oligonucleotide

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ccaccctcag aaccg 15

<210> 55  
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oligonucleotide

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gaatttaccg ttccag 16

<210> 56  
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oligonucleotide

<400> 56

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16

<210> 57

<211> 16

<212> DNA

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gaaacgcaaa gacacc

16

<210> 58

<211> 39

<212> DNA

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<400> 58

ggggggcccg ggctgctgag ggtgacgatc ccgcaaaaag

39

<210> 59

<211> 39

<212> DNA

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39

<210> 60

<211> 41

<212> DNA

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<400> 61  
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tacagtgag 69

<210> 62  
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<400> 62  
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cggtcgtcga tcggttccgg cggggc 86

<210> 63  
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oligonucleotide

<400> 63  
catggccccg ccggaaccga tcgacgaccg tggtgttcgt gctgagcagg tggagcagct 60  
tcctcccatc ctgcgtgtcc aggagg 86

<210> 64  
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oligonucleotide

<400> 64  
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<210> 65  
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 <223> Description of Artificial Sequence: synthetic  
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<400> 65  
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<210> 66  
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<400> 66  
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<210> 67  
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 oligonucleotide

<400> 67  
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<210> 68  
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<400> 68  
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<210> 69  
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oligonucleotide

<400> 69

gaggtggaat tctatttagtg atgatggtga tgggtggcttg ctttcgagg

49

<210> 70

<211> 31

<212> DNA

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oligonucleotide

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31

<210> 71

<211> 31

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 71

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31

<210> 72

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
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<400> 72

aattctcatc agtgatgatg gtgatggtgc

30

<210> 73

<211> 30

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 73  
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<210> 74  
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<400> 74  
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<210> 75  
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 ccag 64

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<210> 77  
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<400> 77  
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oligonucleotide

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<210> 79  
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oligonucleotide

<400> 79  
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<210> 80  
<211> 34  
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oligonucleotide

<400> 80  
gggggggagg tgctggagcg aggcagcagt cacc 34

<210> 81  
<211> 35  
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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 81  
gagccacta gtttggctct acagtgagtt tgggtg 35

<210> 82  
<211> 65  
<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 82

ctagaccagc aaatctgcac ccacagaatc cctaggacag ctcccagggt cctctgcatg 60  
gtgga 65

<210> 83

<211> 65

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 83

agcttccacc atgcagagga acctgggagc tgtcctaggg attctgtggg tgcagatttg 60  
ctggg 65

<210> 84

<211> 35

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 84

gatcgggtcta gaggtgagca ggtggagcag cttcc 35

<210> 85

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 85

gcctggagac tcagccatg 19

<210> 86

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 86

gaagtacatg gctgagtctc c

21

<210> 87

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 87

gatgaacggt ccagattcca tgg

23

<210> 88

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 88

cccaaataca tgtgccgaaa ac

22

<210> 89

<211> 53

<212> DNA

<213> Artificial Sequence

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oligonucleotide

<400> 89

ctagaacaca ggagactgga gagcacgaag aagagcctgg agcccatggt gga

53

<210> 90

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 90

gctctccttg taggcctgag

20

<210> 91  
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<400> 91  
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<210> 92  
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<210> 93  
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<400> 93  
 ggtctggagg ccttgatatcc 20

<210> 94  
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<210> 95  
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<213> Artificial Sequence

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oligonucleotide

<400> 95

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cacca 65

<210> 96

<211> 65

<212> DNA

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 96

ctagtggtagg cggtggcagc ggcggtggtg gttccggtgg cggcggttct ggcggtggcg 60  
gttcc 65

<210> 97

<211> 8

<212> DNA

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 97

ccaccatg 8

<210> 98

<211> 9

<212> PRT

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<400> 98

Glu Glu Glu Glu Tyr Met Pro Met Glu  
1 5

<210> 99

<211> 63

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<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 99

atgaaatacc tgctgccgac cgcagctgct ggtctgctgc tgctggcggc ccagccgatg 60  
gcc 63

<210> 100

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
peptide

<400> 100

Met Lys Tyr Leu Leu Pro Thr Ala Ala Ala Leu Leu Leu Leu Ala Ala  
1 5 10 15

Gln Pro Ala Met  
20

<210> 101

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 101

gccggccatg gccrgtgctg tcttctctc 29

<210> 102

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 102

gccggccatg gccgamrccm argtsaccc 29

<210> 103

<211> 29

<212> DNA

<213> Artificial Sequence



<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 103

gccggccatg gccgatgtga aagtaaccc

29

<210> 104

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 104

gccggccatg gccgamrcwg mcrtymcc

29

<210> 105

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 105

gccggccatg gccarkgctg gdgtcactc

29

<210> 106

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 106

gccggccatg gccaatgccg gcgtcatgc

29

<210> 107

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 107

gccggccatg gccgrtrctg gagtctccc 29

<210> 108

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 108

gccggccatg gccgatgctr gartcacccc 29

<210> 109

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 109

gccggccatg gccgattctg gagtcacac 29

<210> 110

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 110

gccggccatg gccgaygctg gwggttatcc 29

<210> 111

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 111

gccggccatg gccgatgctg ryrttaycc 29

<210> 112

<211> 31

<212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 oligonucleotide

<400> 112  
 gccggccatg gccgaagctg gagttactca g 31

<210> 113  
 <211> 36  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 oligonucleotide

<400> 113  
 gccggccatg gccgatgcta ctattcatca atggcc 36

<210> 114  
 <211> 31  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 oligonucleotide

<400> 114  
 gctgccaccg ccacccacct tggtcaggtc c 31

<210> 115  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic  
 oligonucleotide

<400> 115  
 gctgccaccg ccacccacgt tttcaggtcc 30

<210> 116  
 <211> 34  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: synthetic

## oligonucleotide

<400> 116  
ggaggcggcg gttctgctaa gagaccacmc agcc 34

<210> 117  
<211> 34  
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<220>  
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oligonucleotide

<400> 117  
ggaggcggcg gttctcagaa grtaactcaa rcsc 34

<210> 118  
<211> 31  
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<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 118  
ggaggcggcg gttctcagtc kgtgasccag c 31

<210> 119  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
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oligonucleotide

<400> 119  
ggaggcggcg gttctcagag agtgactcag cc 32

<210> 120  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 120  
ggaggcggcg gttctcwgma sgtgraacaa rgtcc 35

<210> 121  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 121  
ggaggcggcg gttctcagca agttaagcaa aattc 35

<210> 122  
<211> 34  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 122  
ggaggcggcg gttctgagar tgtggrgcwg catc 34

<210> 123  
<211> 35  
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<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 123  
ggaggcggcg gttctaakga rgtggmgcag rrtyc 35

<210> 124  
<211> 32  
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<220>  
<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 124  
ggaggcggcg gttctcagct gctggagcag ag 32

<210> 125  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 125

ggaggcggcg gttctcaama grkagaasag ratyc

35

<210> 126

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 126

ggaggcggcg gttctggaca aarcmttgar cag

33

<210> 127

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 127

ggaggcggcg gttctaagga ccaagtgttt cag

33

<210> 128

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 128

ttagatagact agtaggttca gggttcttg

29

<210> 129

<211> 45

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic  
oligonucleotide

<400> 129

ggtggcgggtg gcagcggcgg tggtaggtcc ggaggcggcg gttct

45

<210> 130

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: antisense  
synthetic oligonucleotide

<400> 130

agaaccgccg cctaccggaa ccaccaccgc ccgctgccac cgccacc

47